

INTERNATIONAL SEARCH REPORT

 tional Application No
 /IB2004/002628

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01Q1/24 H01Q5/00 H01Q9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 304 765 A (FILTRONIC LK OY) 23 April 2003 (2003-04-23) abstract; claims 2-6; figures 2-5,7 paragraphs '0003!', '0007!', '0011!' - '0013!', '0015!', '0016!', '0020!' -----	1-10
X	US 2002/126052 A1 (BOYLE KEVIN R) 12 September 2002 (2002-09-12) cited in the application paragraphs '0031!', '0039!', '0040!'; figures 4,13 -----	1,4-6,9, 10
X	EP 1 128 466 A (FILTRONIC LK OY) 29 August 2001 (2001-08-29) abstract; figures 2,3,4a-4d paragraphs '0005!', '0006!', '0010!,' '0011!', '0013!' -----	1,3,6,8, 10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

20 October 2004

Date of mailing of the international search report

02/11/2004

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1304765	A	23-04-2003	FI	20012045 A	23-04-2003
			CN	1414809 A	30-04-2003
			EP	1304765 A2	23-04-2003
			US	2003076268 A1	24-04-2003
<hr/>					
US 2002126052	A1	12-09-2002	CN	1457531 T	19-11-2003
			EP	1368855 A1	10-12-2003
			WO	02071535 A1	12-09-2002
			JP	2004519914 T	02-07-2004
<hr/>					
EP 1128466	A	29-08-2001	FI	20000437 A	24-08-2001
			CN	1316797 A	10-10-2001
			EP	1128466 A2	29-08-2001
			US	2001048391 A1	06-12-2001
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